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Application/Control Number: 09/380,086
Art Unit: 1638

Proposed examiner's amendments

IN THE CLAIMS:

29. (currently amended) A method for preventing dissemination via pollen of a transgene encoding dog gastric lipase or collagen ~~of interest via pollen~~ from a transgenic plant ~~that has incorporated~~ comprising said transgene, wherein said method comprises

transforming the nuclear genome of a plant with a plasmid vector containing both a ~~gene~~ nucleic acid conferring male sterility and a transgene encoding dog gastric lipase or collagen ~~said transgene of interest~~, said transgene being genetically linked with said ~~gene~~ nucleic acid conferring male sterility, whereby said transgene is prevented from being disseminated by the pollen of said plant, ~~and wherein said transgene encodes for the dog gastric lipase or collagen~~, and wherein said ~~gene~~ nucleic acid conferring male sterility and said transgene ~~can be combined together, or~~ are each ~~respectively with~~ operably linked to a transcriptional control system comprising a promoter and a transcriptional terminator, ~~and~~

recovering the ~~compound~~ dog gastric lipase or collagen by extraction, and ~~wherein~~

administering said ~~compound~~ dog gastric lipase or collagen ~~is administered~~ to a human or animal.

In claim 37, line 2, "the" was deleted.

38. (currently amended) The method according to claim 29, wherein ~~said~~ the promoter operably linked to the nucleic acid conferring male sterility ~~permits specific expression gene~~

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~~conferring male sterility in the~~ is an anther-specific promoter~~, when said gene conferring male sterility and said transgene are each respectively with a transcriptional control system~~.

In claim 39, line 1, "37" was replaced with --38--.

IN THE ABSTRACT:

The invention relates to ~~novel uses of male sterility for improving the conditions for cultivating transgenic plants on behalf of man and the environment~~ a method for preventing the spread via pollen of a transgene encoding dog gastric lipase or collagen ~~of interest via pollen~~ from transgenic plants ~~that has incorporated~~ comprising said transgene. In this method plants are transformed with a construct comprising the transgene genetically linked to a second construct conferring male sterility on the plant. Plants produced by the method are male sterile, and thus cannot spread the transgene via their pollen.

IN THE TITLE:

~~Novel uses~~ Use of male sterility to prevent transgene spread in plants